

Ball Transfer Units

Housing Steel, with Spring

SPECIFICATION

Housing

- Steel, turned **S**
- Blackened / zinc plated
- Not removable

Load ball

- Steel, plain finish **BL**
- Stainless steel AISI 420C **NI**

Spring

- Steel
- Hardened, ground

Bearing balls

- Steel, plain finish for load ball BL / KU
- Stainless steel AISI 420C for load ball NI

Dust protection

- Felt

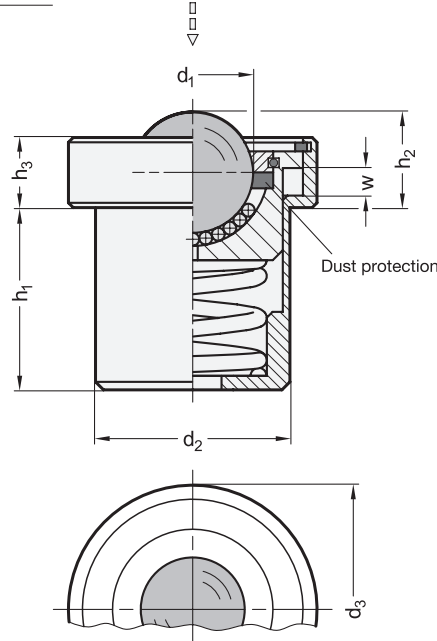


INFORMATION

Ball transfer units GN 509.7 are used in machine and device construction for such purposes as to move heavy loads in any direction without the need to exert high levels of force. The spring ensures even distribution of the load over multiple ball transfer units. This is necessary when the load centers of gravity are arranged asymmetrically or when the support surfaces are uneven. The roller bearing of the ball ensures reliable operation and a long service life. The ball transfer units are inserted from above into a corresponding mounting hole and held by gravity. The load is transferred via the housing collar.

TECHNICAL INFORMATION

- Overview of Types of Ball Transfer Units (see page)
- Technical Instructions (see page)
- Plastic Characteristics (see page A2)



GN 509.7

Description	Size	d ₁ Ball	d ₂ ±0.1	d ₃	h ₁	h ₂ ±0.3	h ₃ ±0.3	w Stroke	Load C in N Dynamic	Load C in N Static	Δ
GN 509.7-22-SBL	22	22.2	39	50	58	18.6	14	4.6	750	800	360
GN 509.7-22-SNI	22	22.2	39	50	58	18.6	14	4.6	750	800	360
GN 509.7-30-SBL	30	30.1	48.5	62	70	24.5	17.5	7	1350	2400	680
GN 509.7-30-SNI	30	30.1	48.5	62	70	24.5	17.5	7	1350	2400	680